

Usage policy

Storage & Handling

- Avoid dust formation. Avoid breathing vapours, mist or gas.
- **Incompatibility:** Avoid contact with Oxidizing agents, Acids, Hydrogen gas, halogen acids, Reducing agents

Operating procedure for chemical usage

- Detailed procedure of usage: We want to do Thin Film deposition by following techniques-
1.By4TEBE The first stage is a heating process of the hot filament. The hot filament will produce a beam of electrons that is excited due to heating. The second stage is the heating of the material that is to be deposited. Once the material evaporant is able to move, then it could move towards the substrate and attach on it, which is the last stage, stage three. We will also do primary cleaning before we hand it over to the next user.

We will monitor if there is any strange smell after deposition. If it comes, we will report ASAP.

- Equipment where chemical is used: 4TEBE
- Users: **Ravi Kali: kaliravi@iitb.ac.in: 9869823705**
- **Usage timings** : 24 hrs
- Access to fire extinguisher/phone in usage room for emergency – Yes
- Materials may be recyclable